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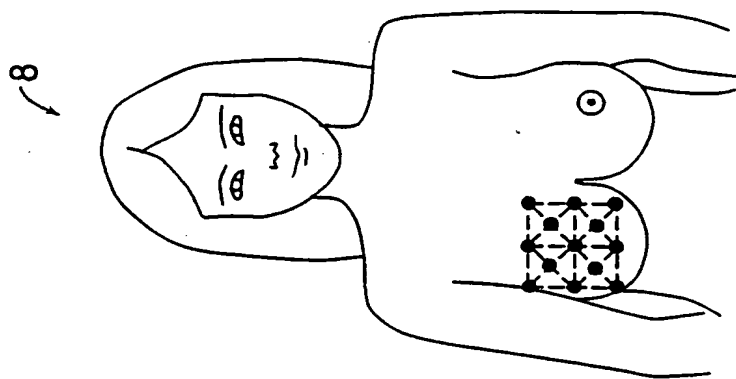
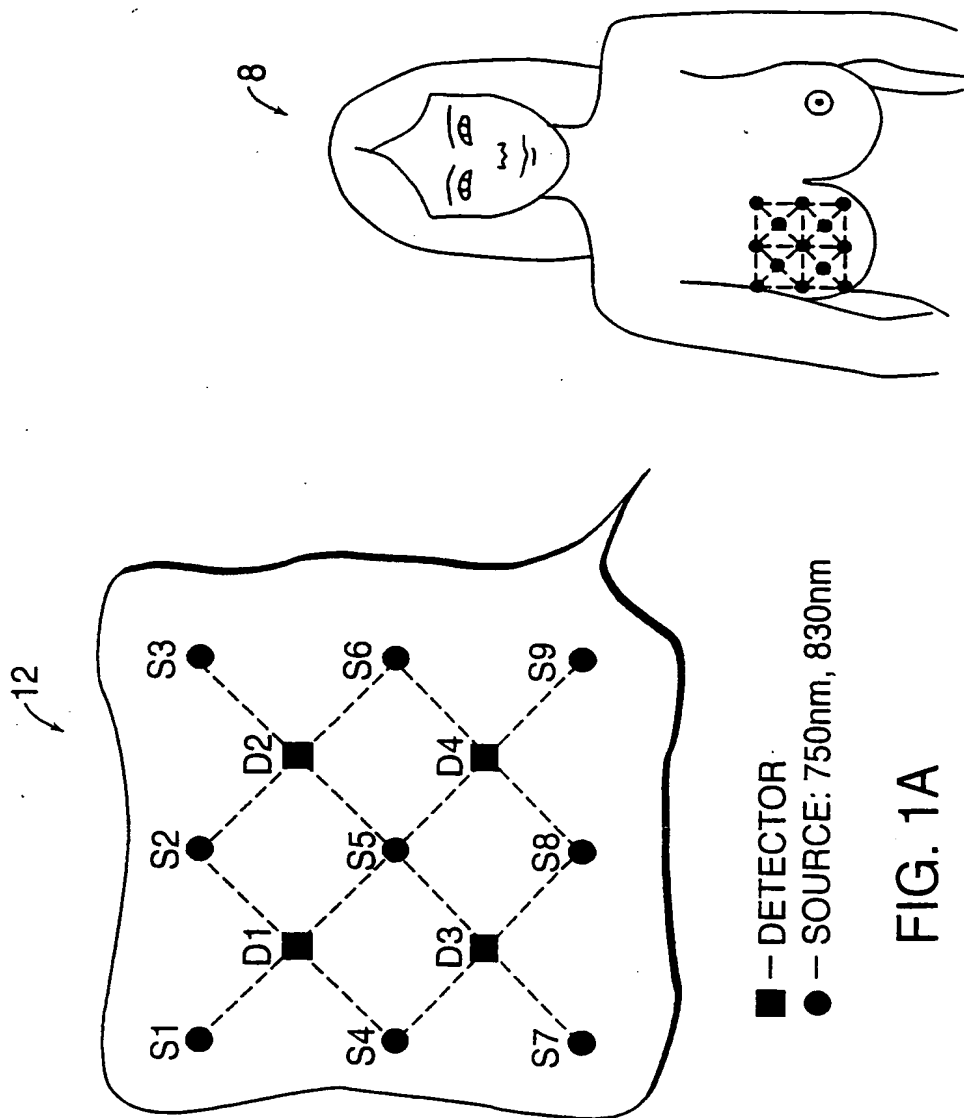


FIG. 1

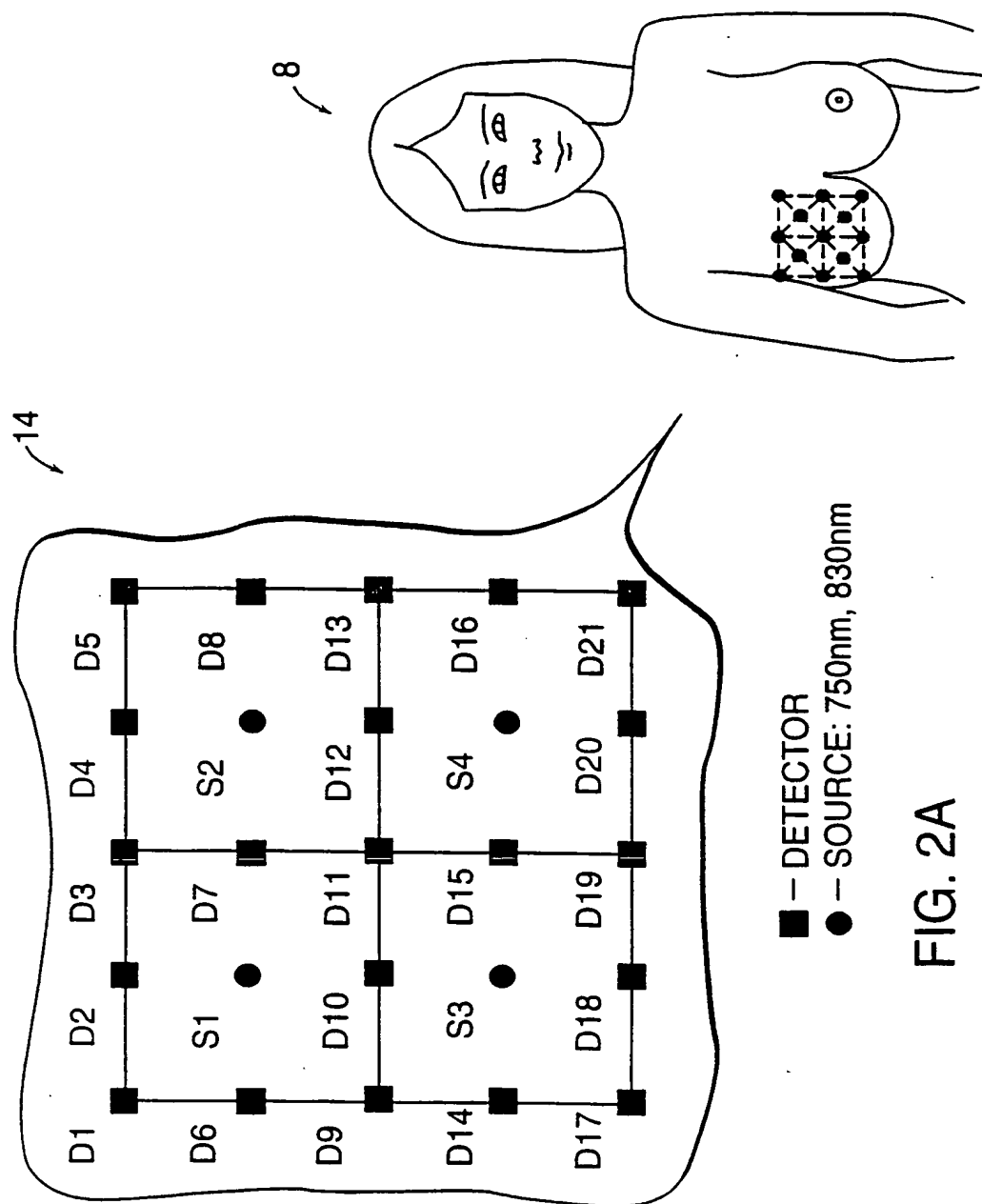


FIG. 2A

FIG. 2

50 MHZ SINGLE WAVELENGTH PMS/PHASE ARRAY IMAGE SYSTEM

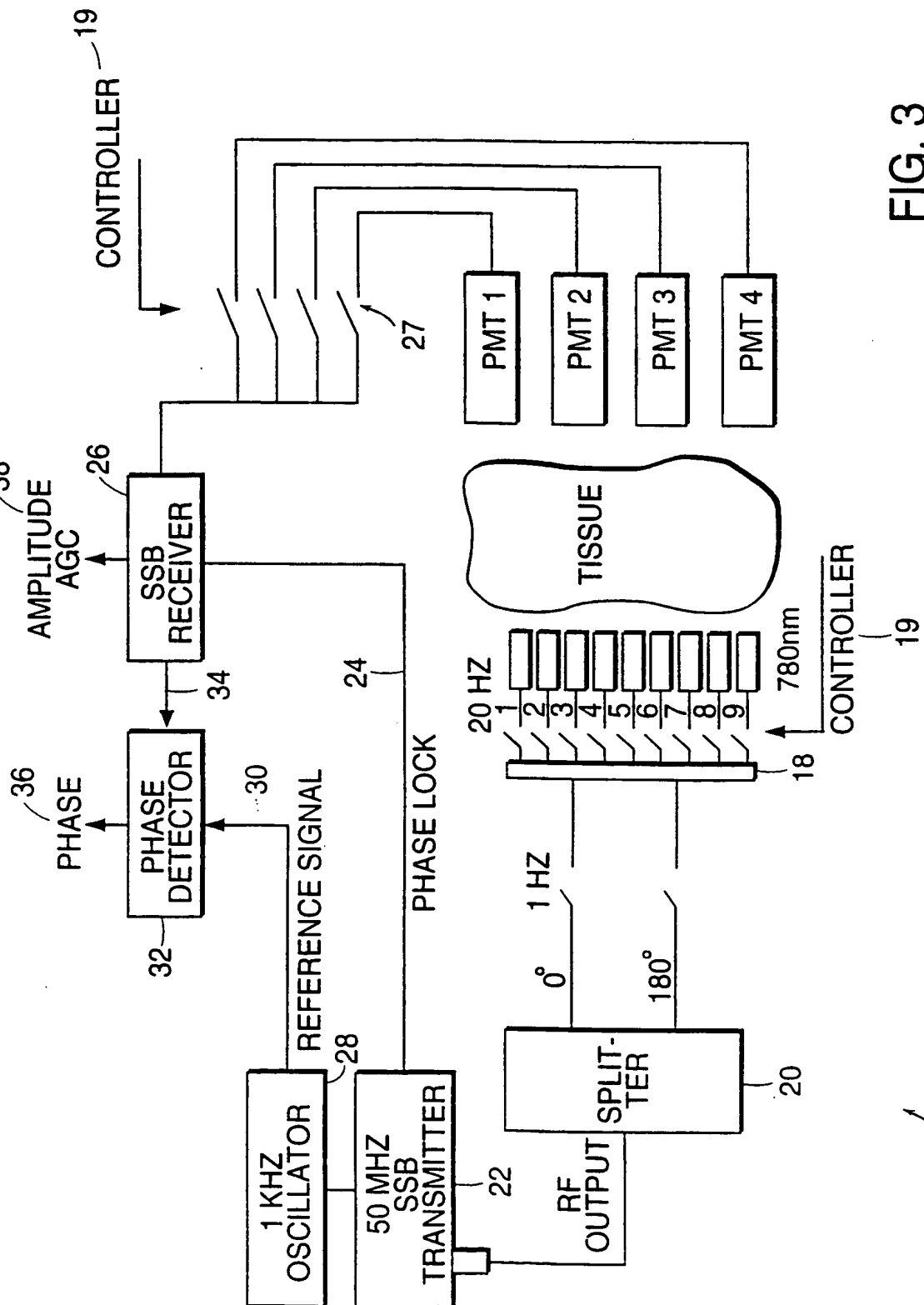
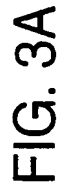







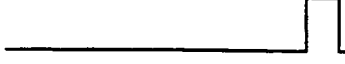
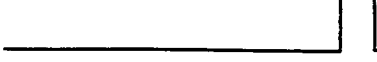


Fig. 3



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	SOURCES	DETECTORS
	1, 2, 1a AND 2a	1
	2, 3, 2a, AND 3a	2
	4, 5, 4a, AND 5a	1
	5, 6, 5a, AND 4a	2
	7, 8, 7a, AND 8a	3
	8, 9, 8a, AND 9a	4
	4, 5, 4a, AND 5a	3
	5, 6, 5a, AND 6a	4
	7, 8, 7a, AND 8a	3

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FIG. 3B

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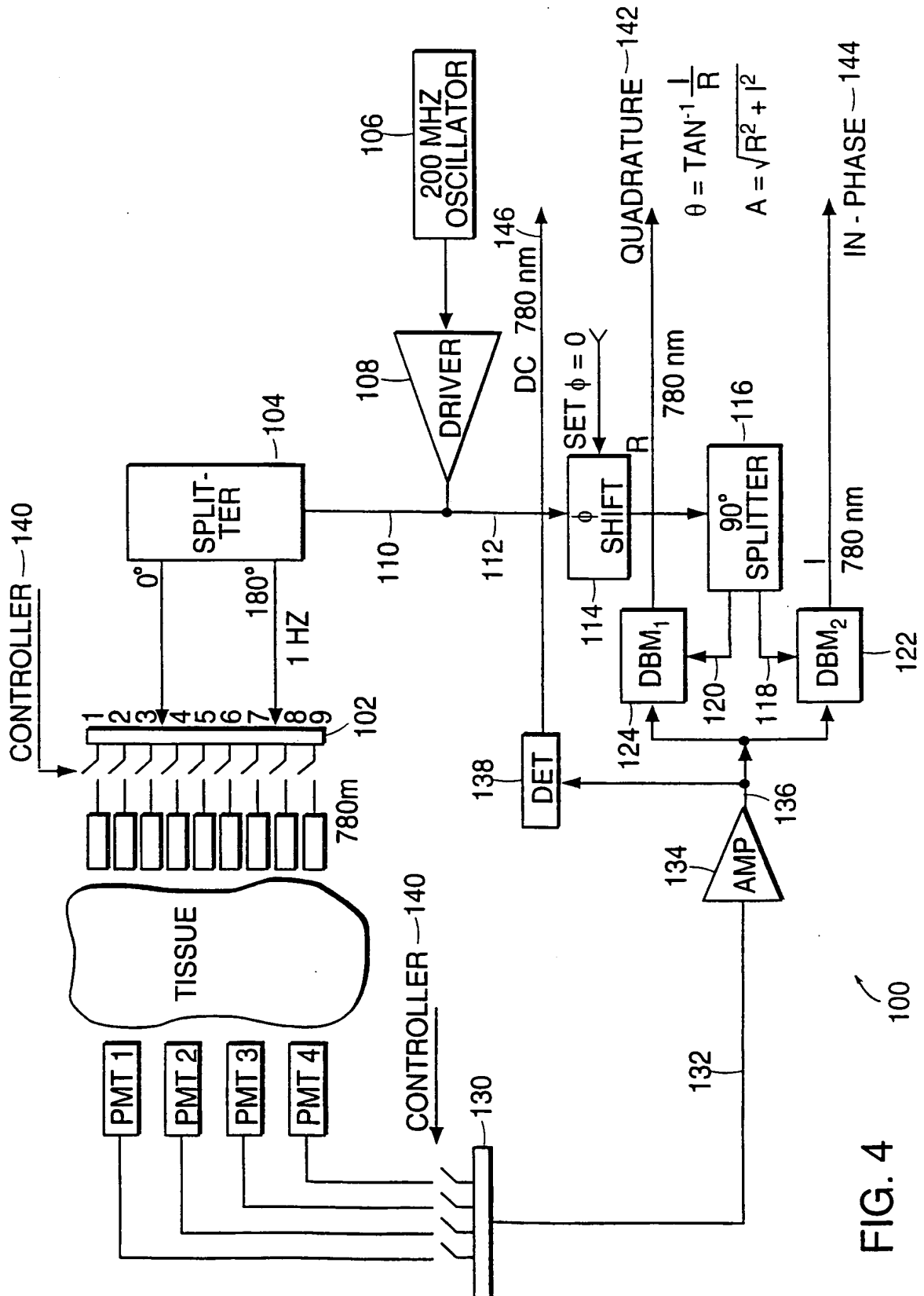


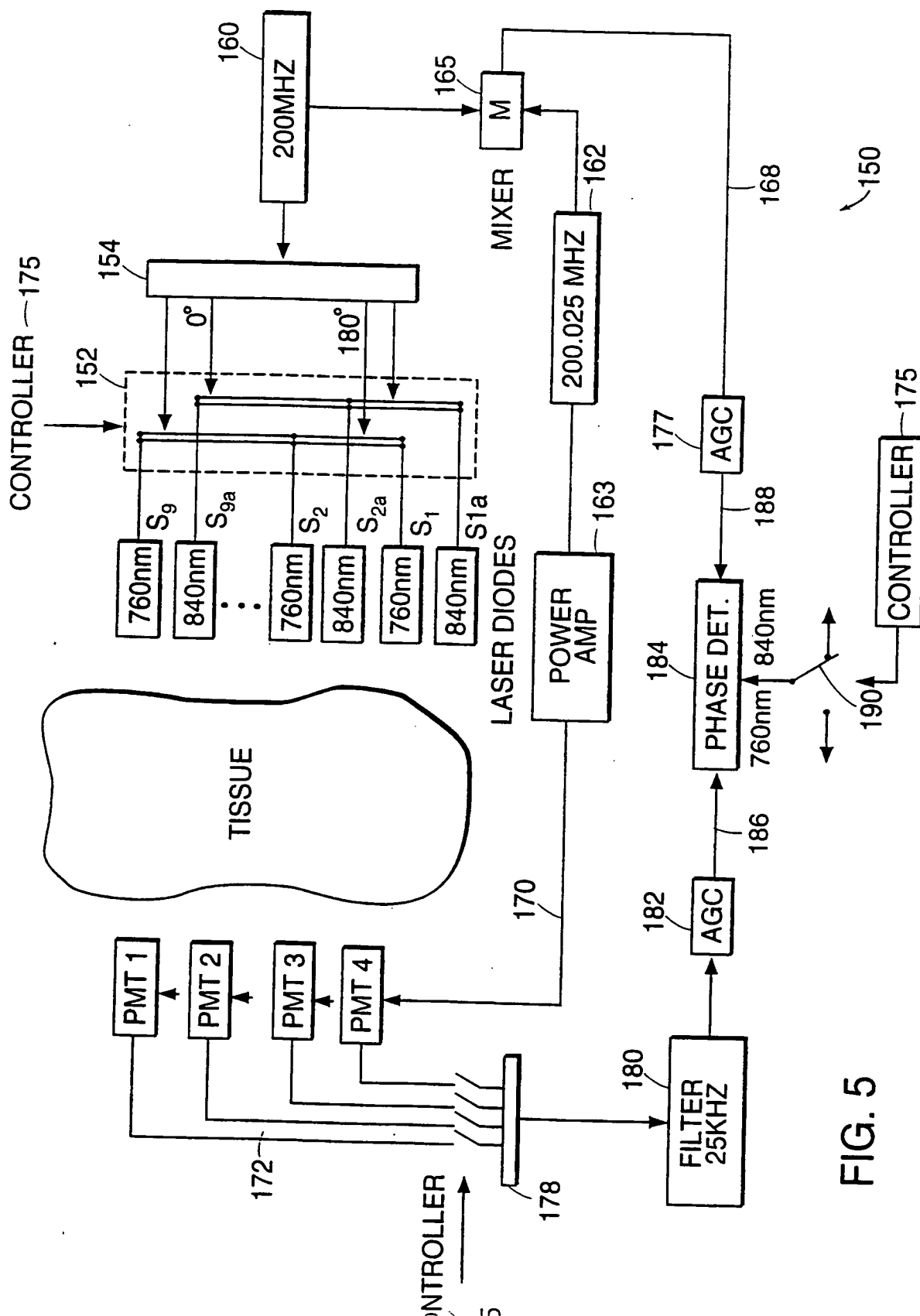
FIG. 4

100



FIG. 4A

DOMESTIC CASES (RULE 20)



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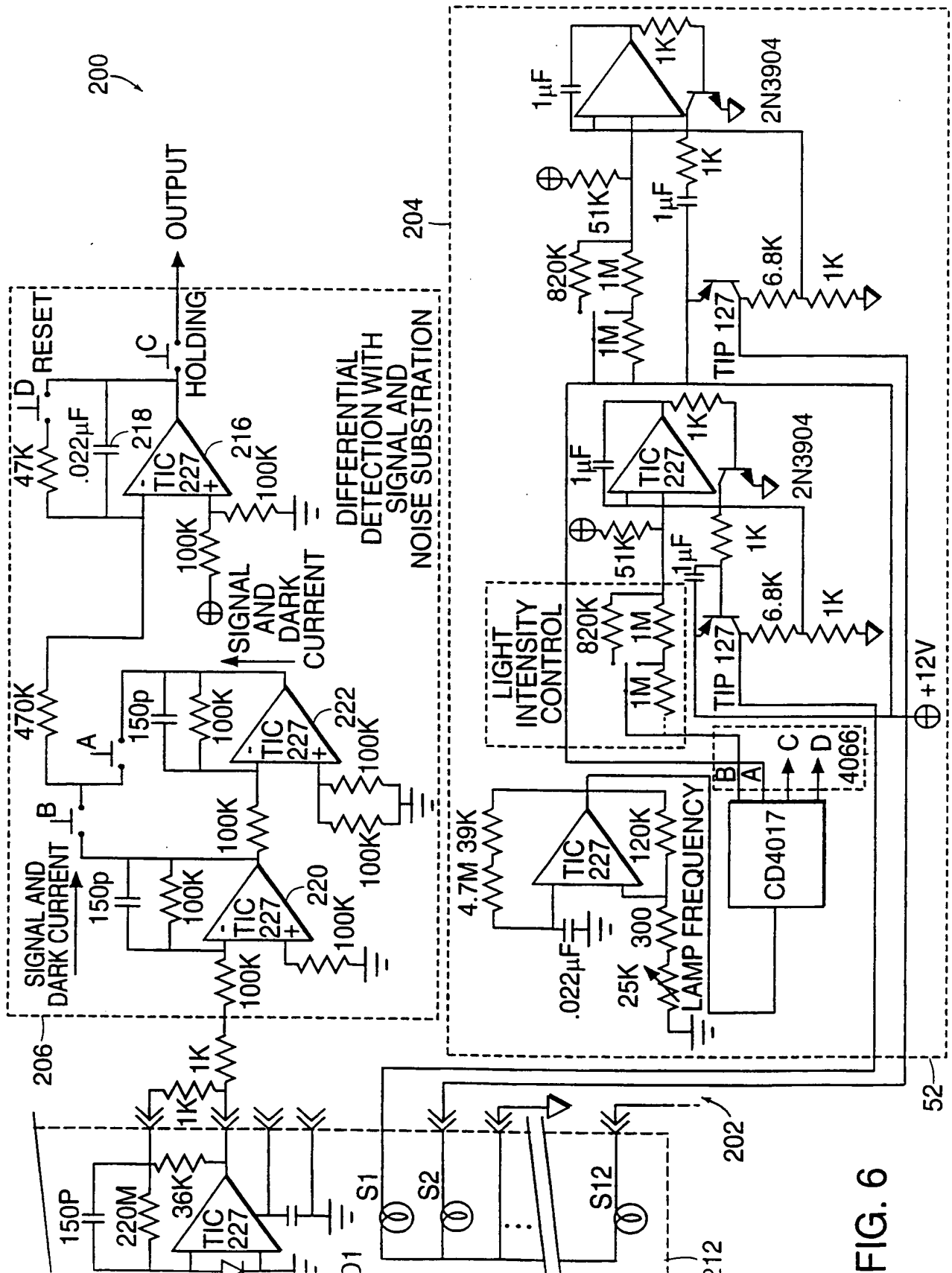


FIG. 6

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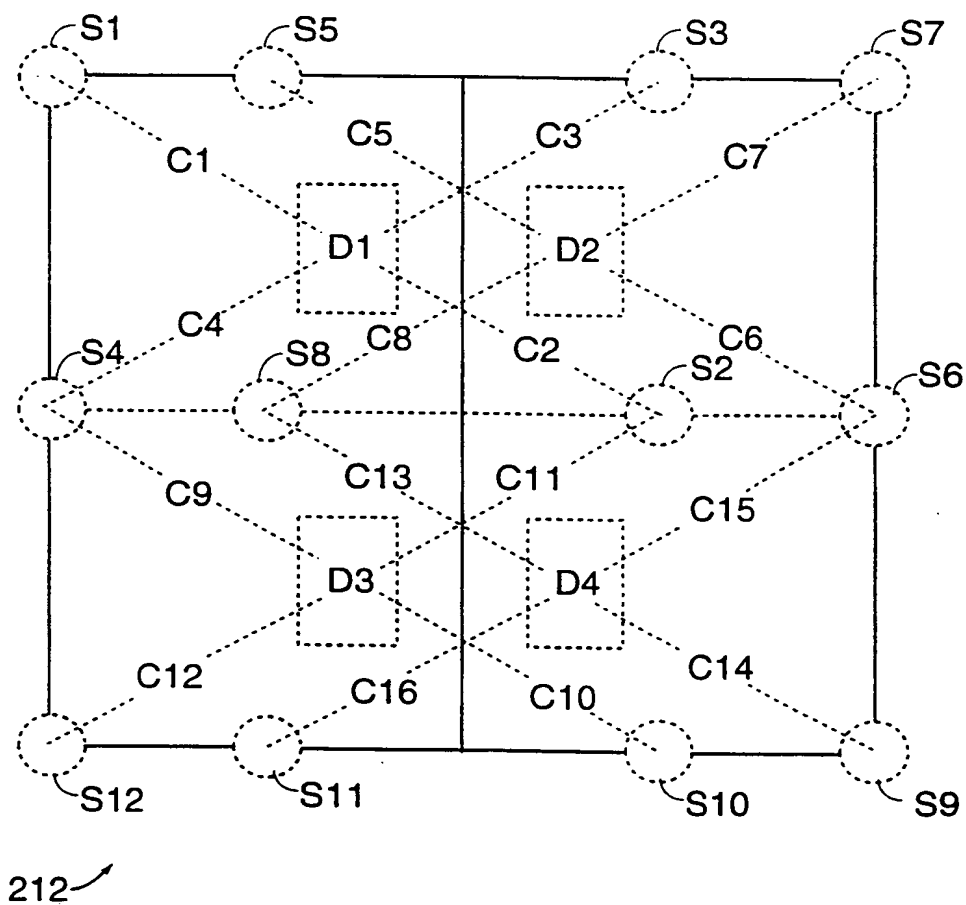
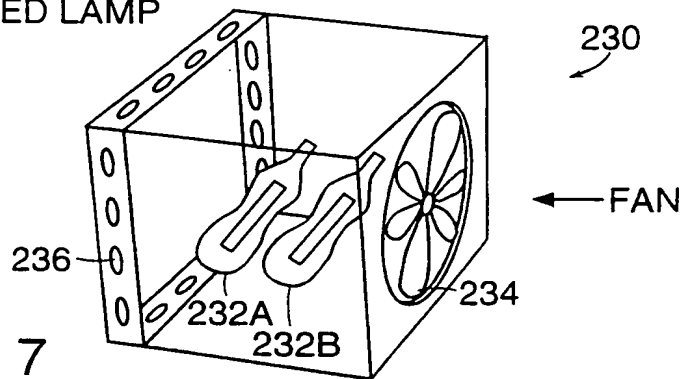


FIG. 6A

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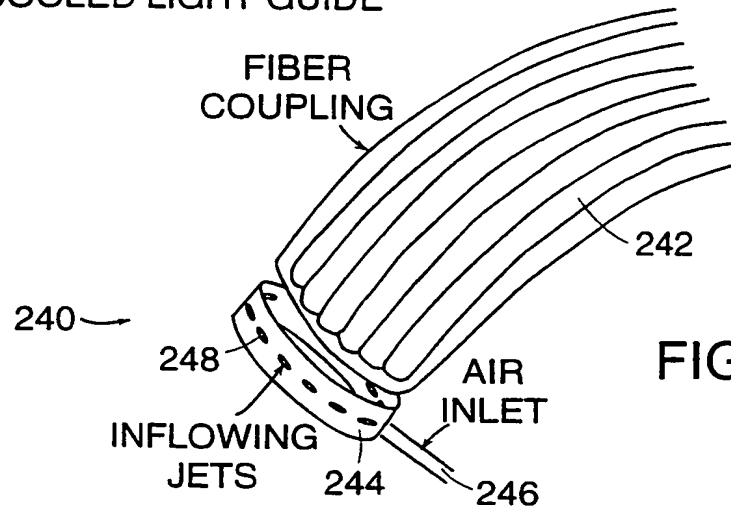
AIR COOLED LAMP

FIG. 7



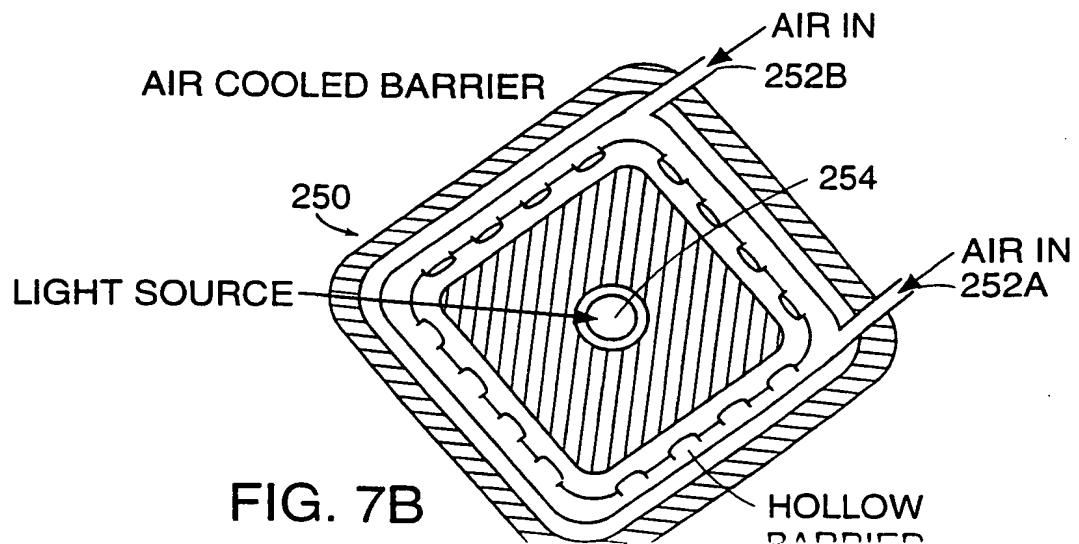
AIR COOLED LIGHT GUIDE

FIG. 7A



AIR COOLED BARRIER

FIG. 7B



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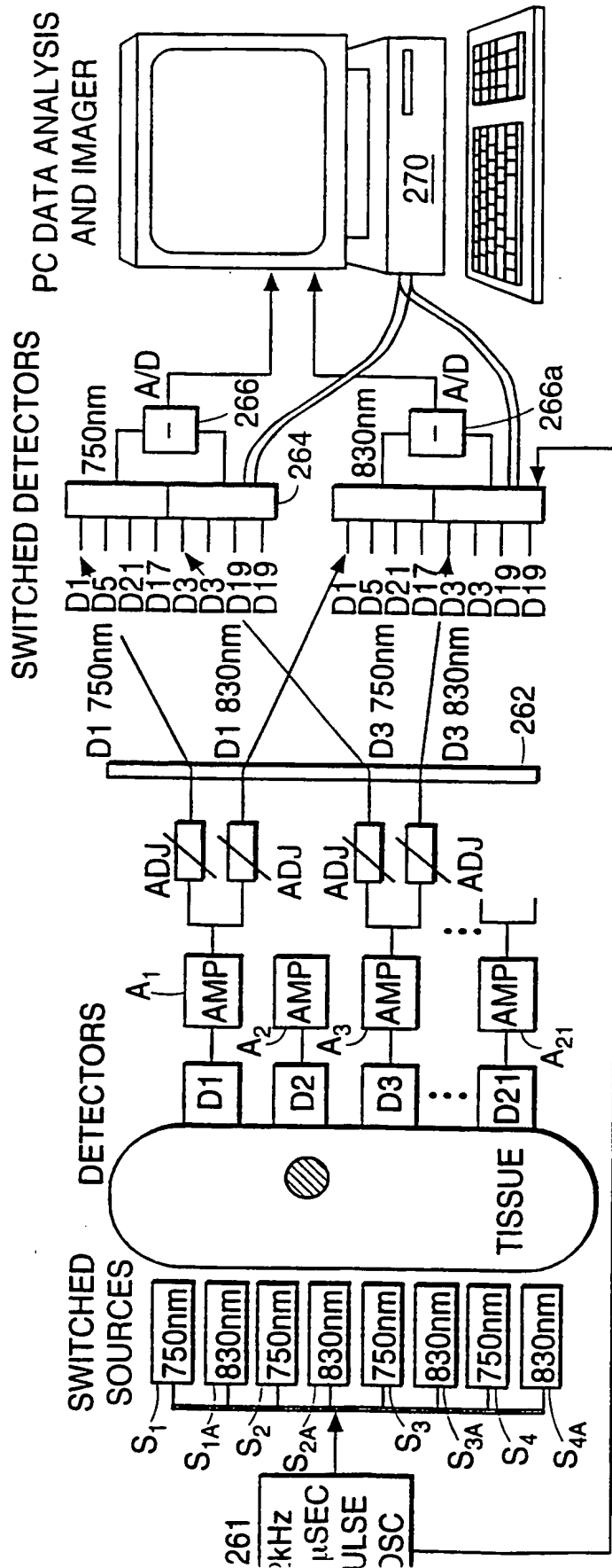


FIG. 8

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CIRCUIT CONFIGURATION FOR TIME MULTIPLEX AMPLITUDE CANCELLATION IMAGER

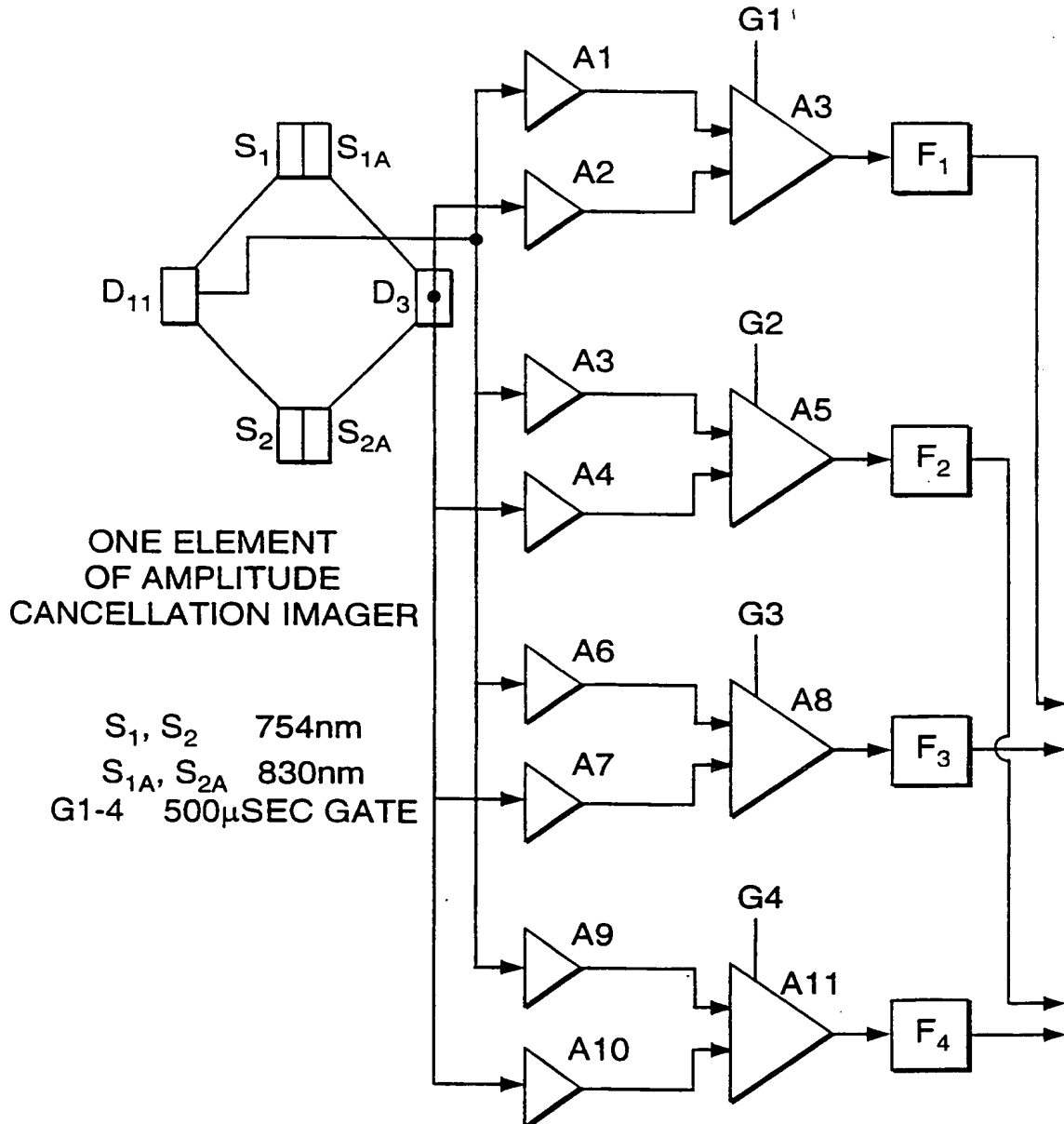
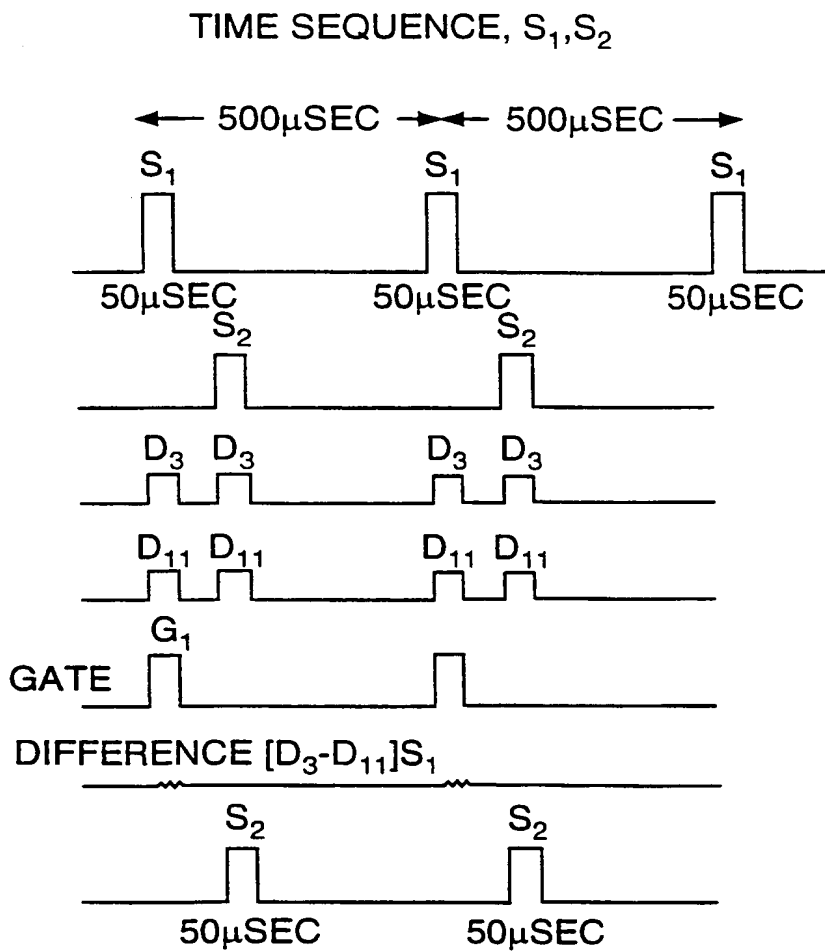


FIG. 8A

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FIG. 8B

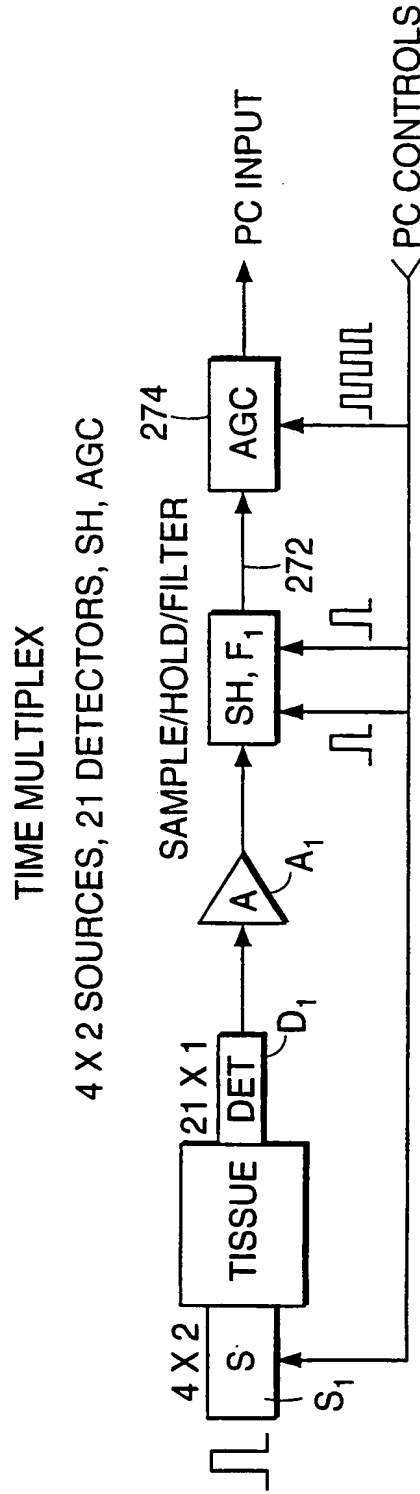


FIG. 8C

260A

FREQUENCY MULTIPLEX
21 X 2 SOURCES/OSCILLATORS, 4 DETECTORS, 40 FILTERS (HIGH/LOW), 20 AGC, 20 LOCK-IN

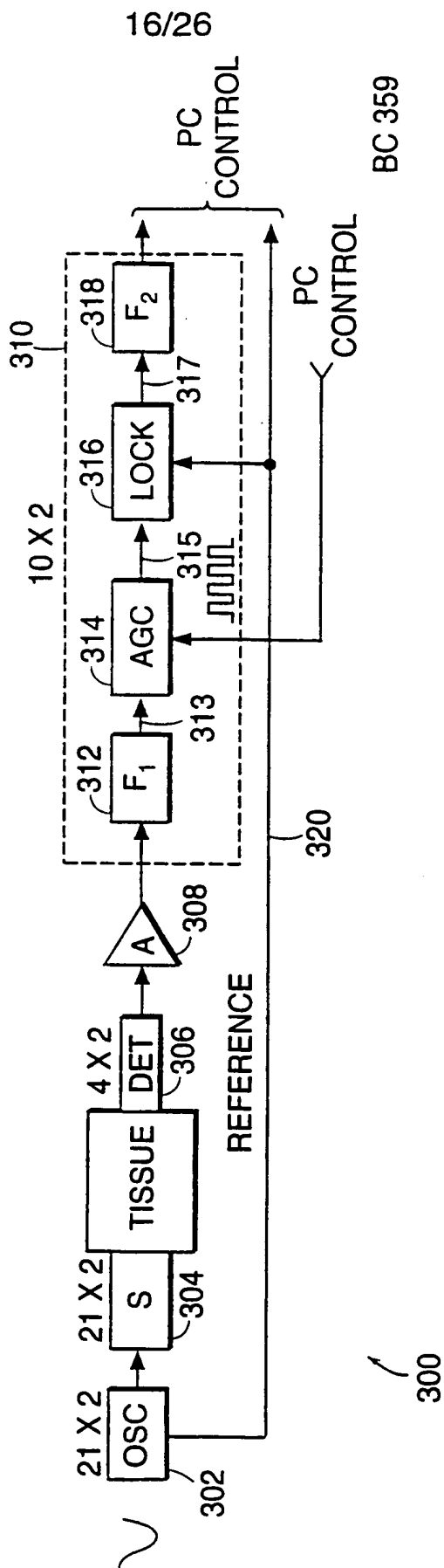
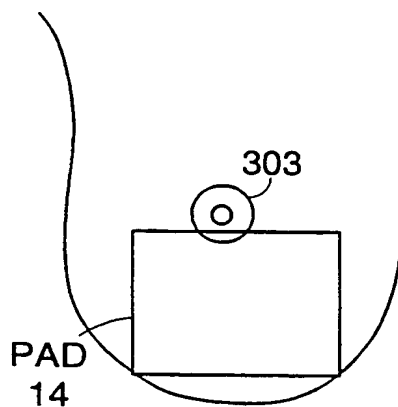


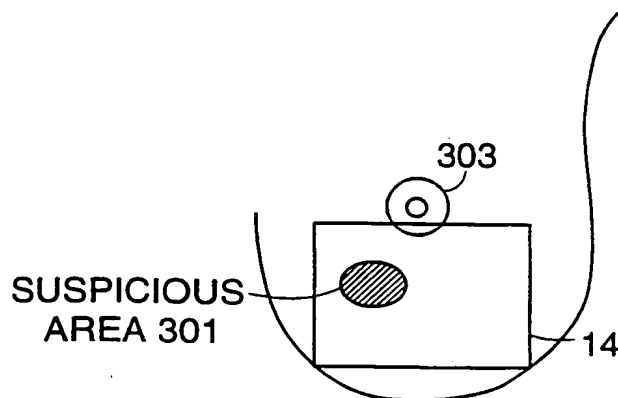
FIG. 8D

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LEFT BREAST

FIG. 9A



RIGHT BREAST

FIG. 9B

AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST
RIGHT BREAST — MODEL (ER 11/26/97)

750 nm

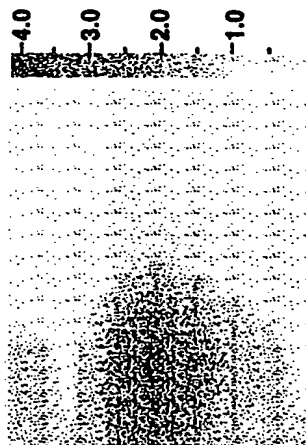


FIG. 10A

830 nm

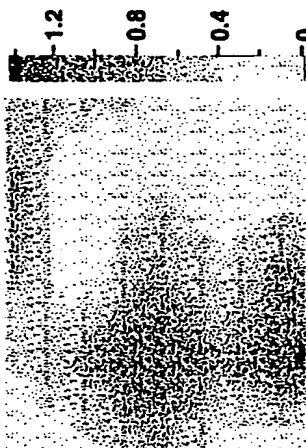


FIG. 10B

750 nm - 830 nm

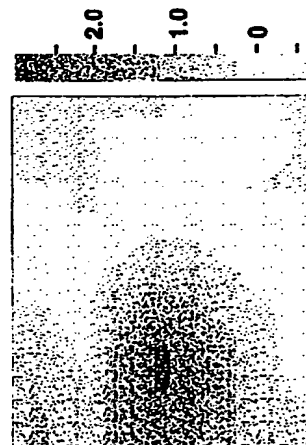


FIG. 10C

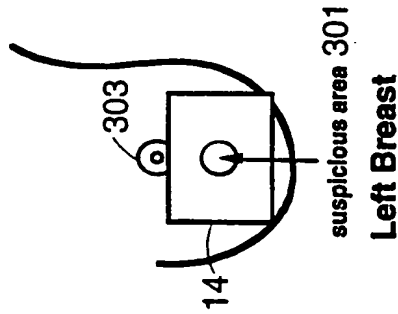
0.3 x 750 nm + 830 nm



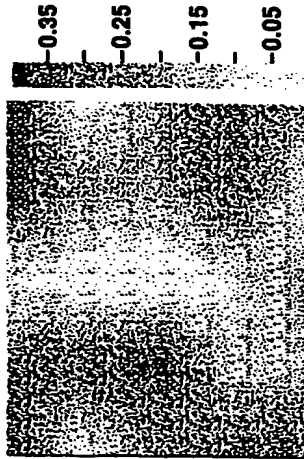
FIG. 10D

AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST

LEFT BREAST — RIGHT BREAST (ER 11/26/97)



750 nm



830 nm

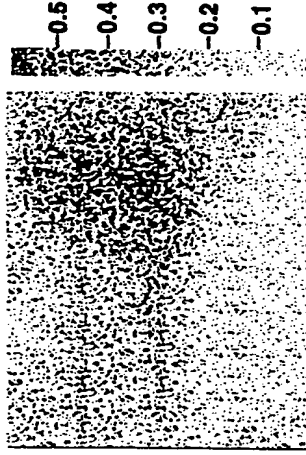
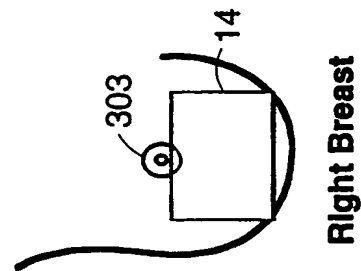
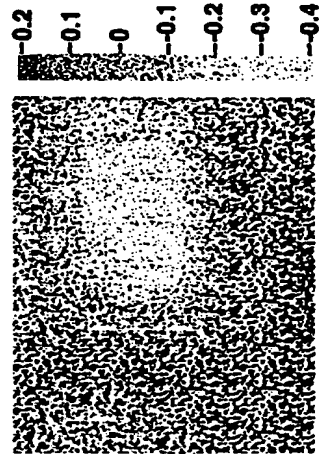


FIG. 12A

FIG. 12B



750 nm - 830 nm



0.3 x 750 nm + 830 nm

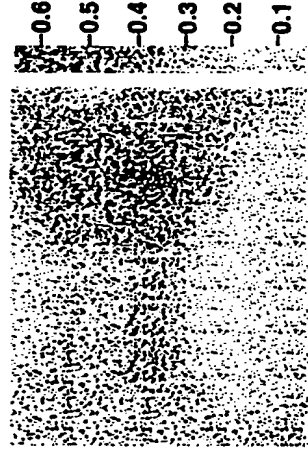


FIG. 12C

FIG. 12D

SNH 27

AMPLITUDE CANCELLATION SYSTEM HUMAN BREAST TEST

RIGHT BREAST — MODER (JR 11/26/97)



FIG. 13B

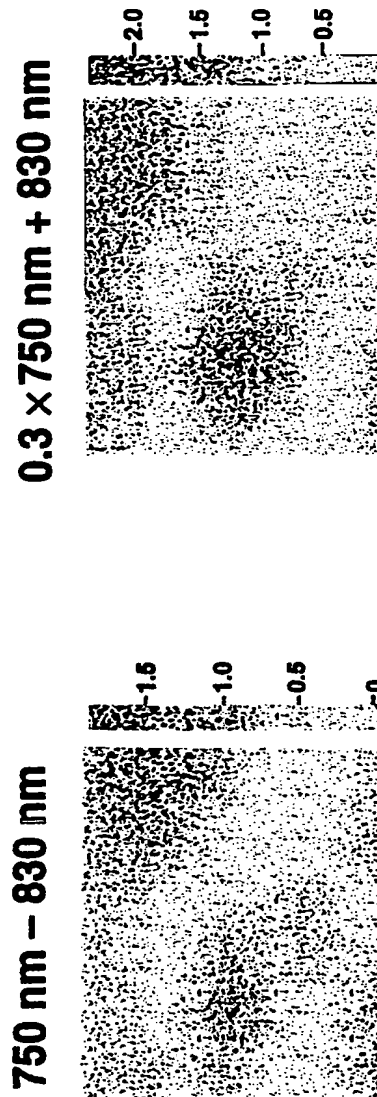
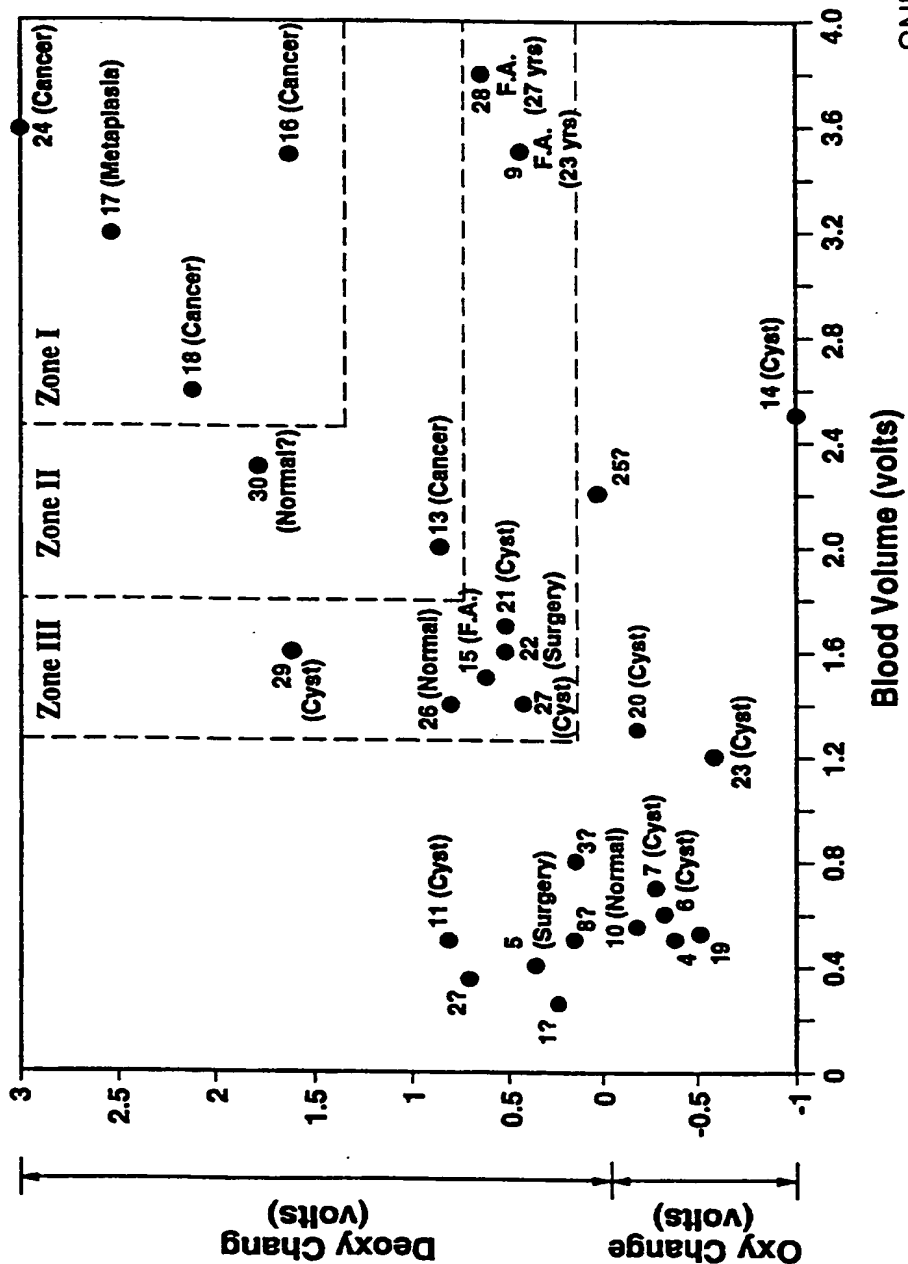


FIG. 13D

**Dual Wavelength NIR Phased Array Imager
2D Vasculogenesis VS Hypermetabolism Imagery
(mammography guidance) (contralateral reference)**



SNH 37a

FIG. 14

Dual Wavelength NIR Phased Array Imager
Suspicious Mass Guidance
2D Vasculogenesis VS Hypermetabolism Imager

REFERENCE CONTRALATERAL BREAST

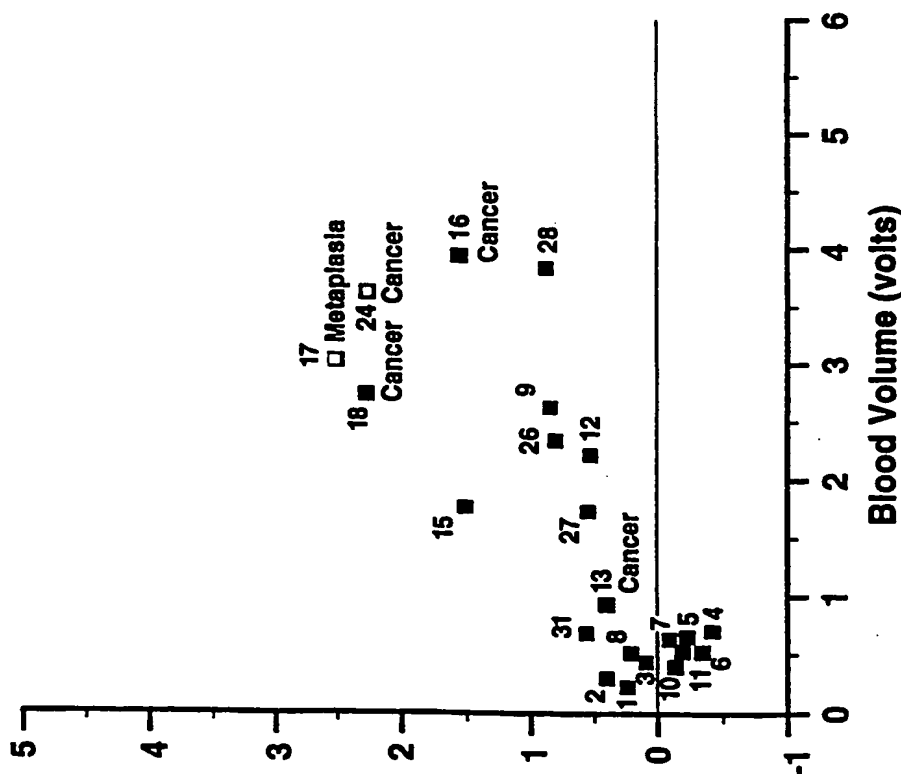


FIG. 15b SNH 37b

Dual Wavelength NIR Phased Array Imager
Suspicious Mass Guidance
2D Vasculogenesis VS Hypermetabolism Imager

REFERENCE MODEL

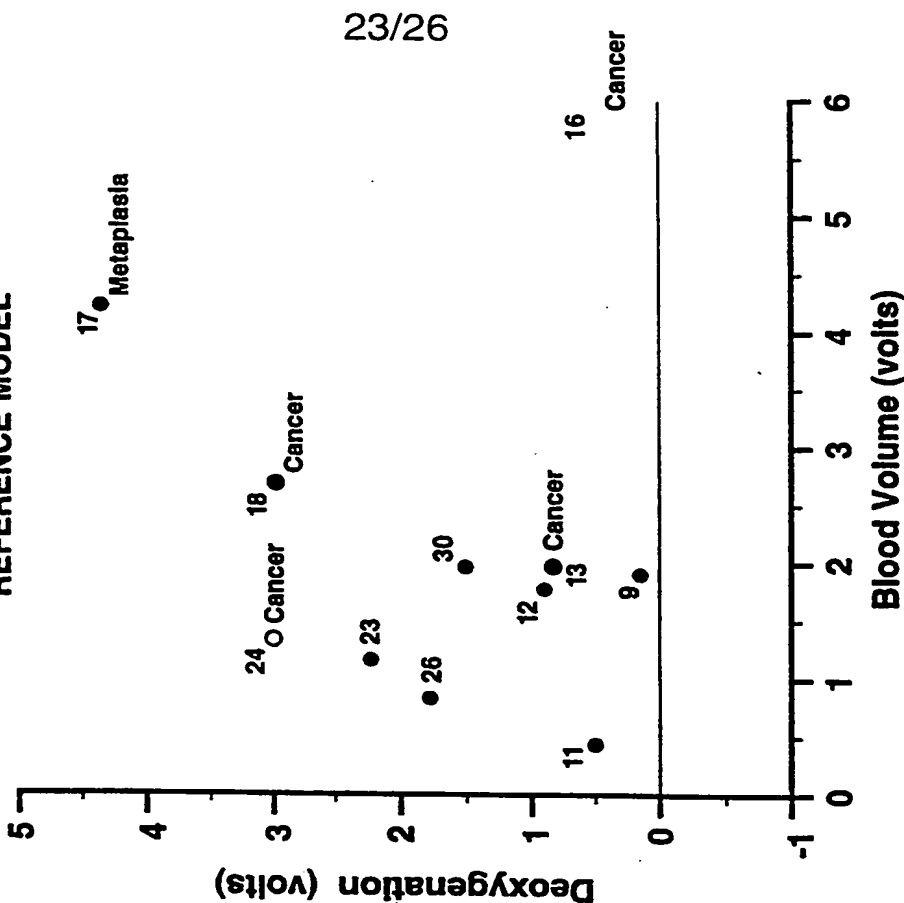


FIG. 15A SNH 37C

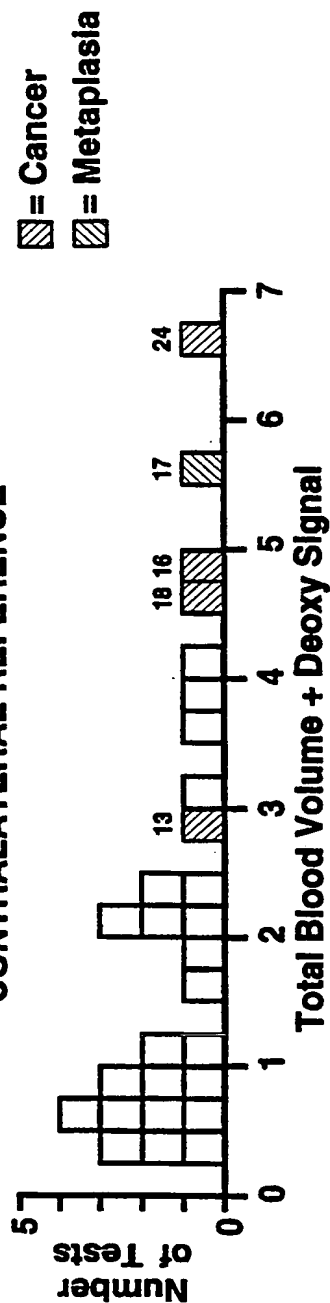


FIG. 16A

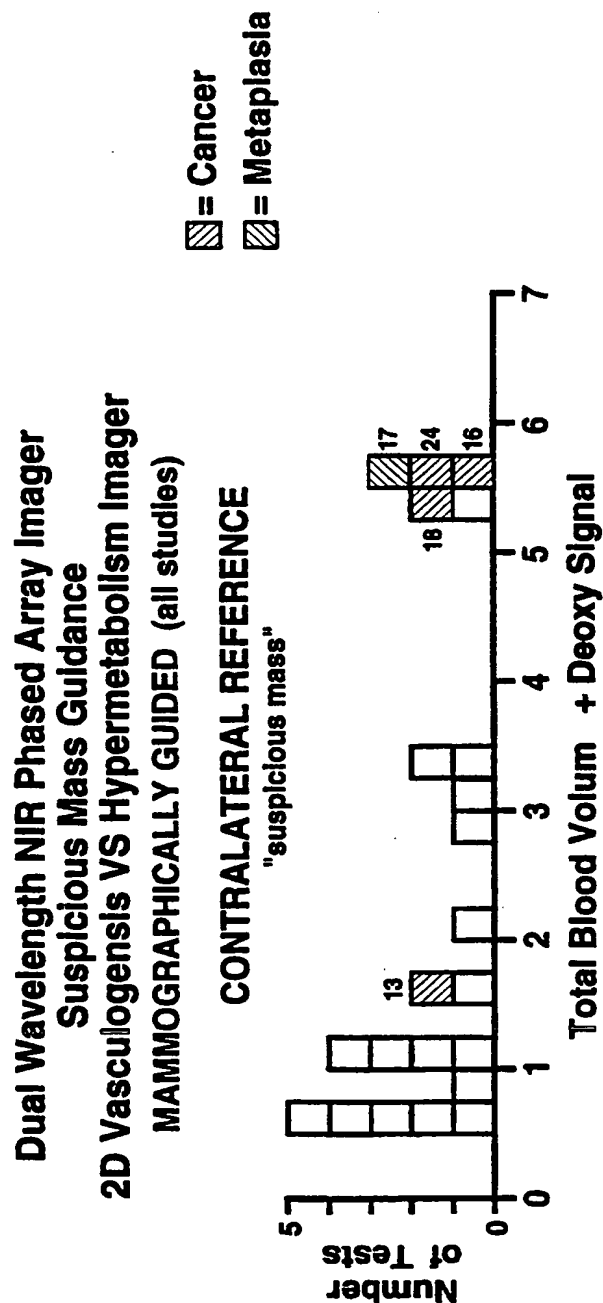


FIG. 16B

**Dual Wavelength NIR Phased Array Imager
Suspicious Mass Guidance
2D Vasculogenesis VS Hypermetabolism Imager
MAMMOGRAPHICALLY GUIDED (all studies)**

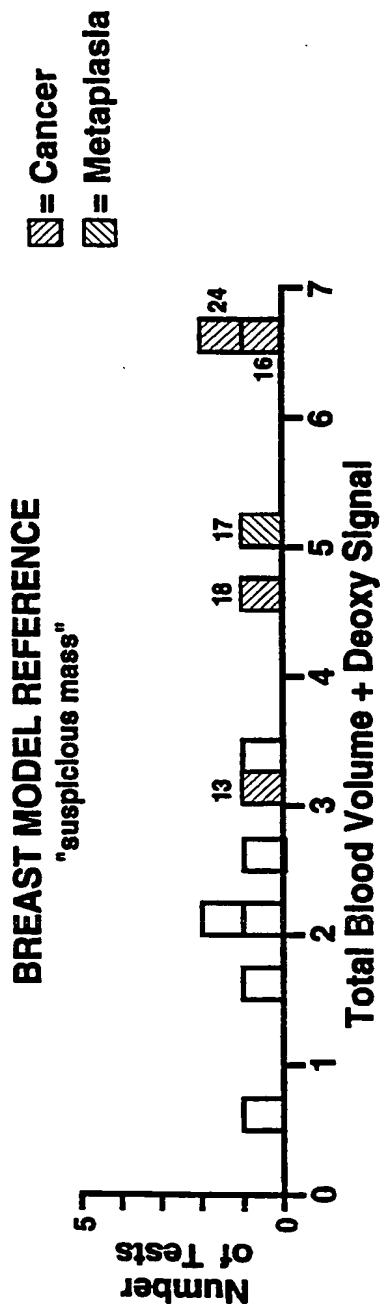


FIG. 16C

Dual Wavelength NIR Phased Array Imager **2D Vasculogenesis VS Hypermetabolism Imagery** **(mammography guidance)**

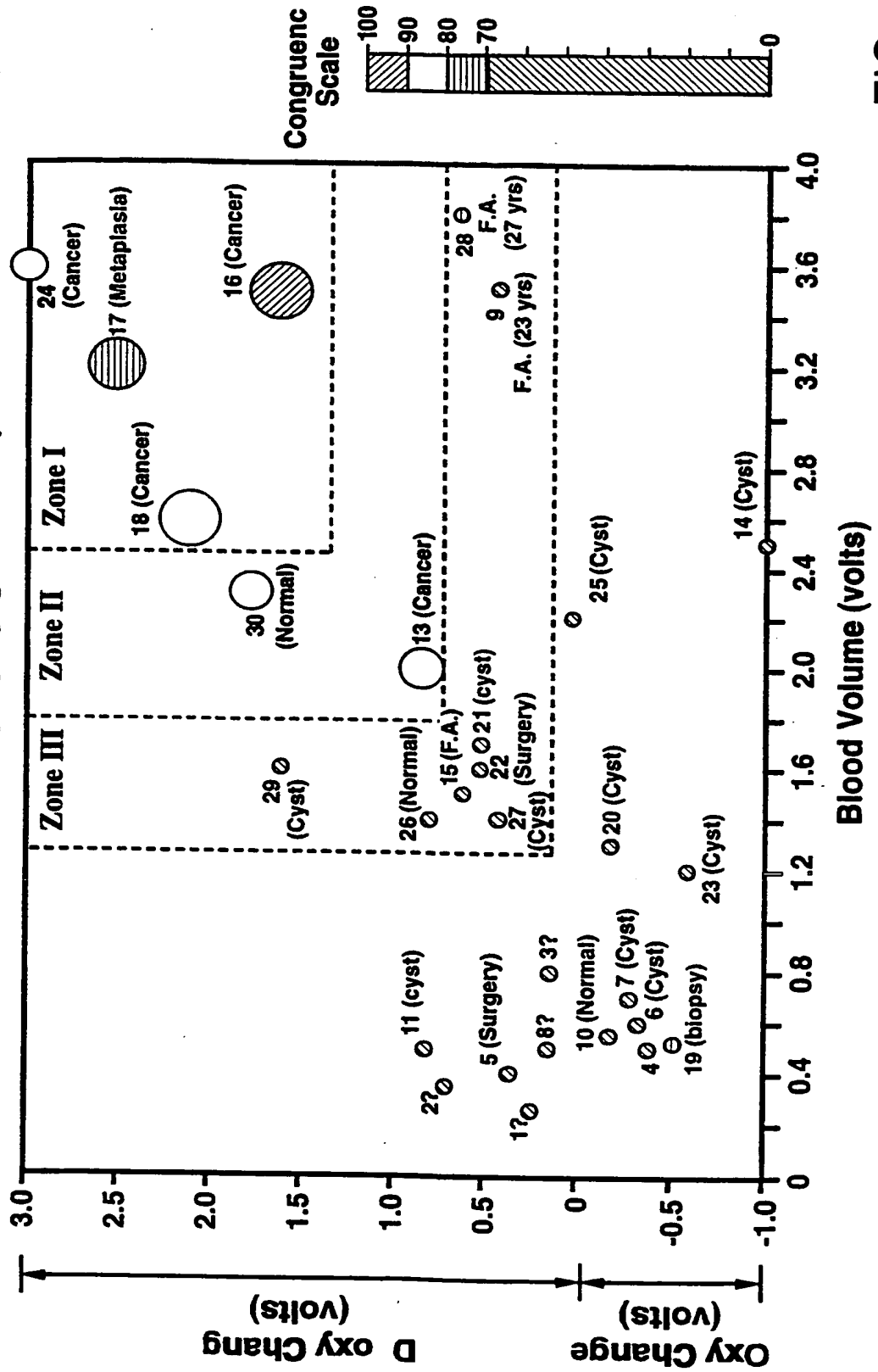


FIG. 17